

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/11615

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ A61K31/166, 31/18, 31/197, 31/198, 31/22, 31/223, 31/33,
31/357, 31/36, 31/4406, 31/4409, 31/4425, 31/5355, 31/536,
31/553, A61P11/00, 11/08, 11/14, C07D213/38, 213/42, 213/89,

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ A61K31/166, 31/18, 31/197, 31/198, 31/22, 31/223, 31/33,
31/357, 31/36, 31/4406, 31/4409, 31/4425, 31/5355, 31/536,
31/553, A61P11/00, 11/08, 11/14, C07D213/38, 213/42, 213/89,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAPLUS (STN), REGISTRY (STN), Medline (STN), BIOSIS (STN), EMBASE (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SUPURAN, C.T. et al., PROTEASE INHIBITORS: SYNTHESIS OF L-ALANIN HYDROXAMATE SULFONYLATED DERIVATIVES AS INHIBITORS OF CLOSTRIDIUM HISTOLYTICUM COLLAGENASE, Journal of Enzyme Inhibition, 2000, Vol.15, No.2, pages 111 to 128; in particular, table I, compound A27	3
X	SCOZZAFAVA, A. et al., Protease inhibitors-Part 5. Alkyl/arylsulfonyl- and arylsulfonylureido-/arylureido-glycine hydroxamate inhibitors of Clostridium histolyticum collagenase, European Journal of Medicinal Chemistry, 2000, Vol.35, No.3, pages 299 to 307; in particular, table I, compound A27	3

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
24 October, 2003 (24.10.03)

Date of mailing of the international search report
04 November, 2003 (04.11.03)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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INTERNATIONAL SEARCH REPORT

International application No. .

PCT/JP03/11615

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SCOZZAFAVA, A. et al., Protease Inhibitors. Part 8: Synthesis of Potent Clostridium histolyticum Collagenase Inhibitors Incorporating Sulfonylated L-Alanine Hydroxamate Moieties, Bioorganic & Medicinal Chemistry, 2000, Vol.8, No.3, pages 637 to 645; in particular, table 1, compound A27	3
X	SUPURAN, C.T. et al., Protease inhibitors. Part 7: Inhibition of Clostridium histolyticum collagenase with European Journal of Pharmaceutical Sciences, 2000, Vol.10, No.1, pages 67 to 76; in particular, table 1, compound A27	3
A	EP 127066 A2 (USV PHARMACEUTICAL CORP.), 05 December, 1984 (05.12.84), Full text & JP 60-6672 A & US 4490373 A	1-3

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Continuation of A. CLASSIFICATION OF SUBJECT MATTER
(International Patent Classification (IPC))

Int.Cl⁷ 265/26, 267/14, 291/08, 317,/58, 319/18, 413/06, 419/06,
265/22, C07C311/29, 311/37, 235/60

(According to International Patent Classification (IPC) or to both national
classification and IPC)

Continuation of B. FIELDS SEARCHED

Minimum Documentation Searched (International Patent Classification (IPC))

Int.Cl⁷ 265/26, 267/14, 291/08, 317,/58, 319/18, 413/06, 419/06,
265/22, C07C311/29, 311/37, 235/60

Minimum documentation searched (classification system followed by
classification symbols)